

3676



Docket: 14036

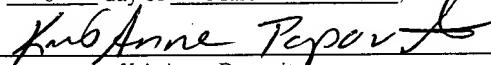
## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:	Michael R. Oldenburg	
Application No.:	09/855,001	
Filing Date:	May 14, 2001	Examiner: V. Patel
Title:	<b>RETROFITTABLE SEVERE DUTY SEAL FOR A SHAFT</b>	Group Art Unit: 3676

## TRANSMITTAL LETTER

Commissioner for Patents  
Washington, D.C. 20231

I hereby certify that this document is being sent via First Class U.S. mail addressed to: Commissioner for Patents, Washington, D.C. 20231 on this 6 day of March, 2003.

  
KrisAnne Popovits

Dear Sir:

The following documents are enclosed in connection with the above-referenced patent application:

1. Amendment (4 pages);
2. Fee Determination (After Amendment Of Claims) (1 page);
3. Return Receipt Postcard.

**RECEIVED**

MAR 17 2003

**GROUP 3600**Date: 3/6/03

Respectfully submitted,

DORSEY & WHITNEY LLP  
Customer Number 25763

By: 

Daniel G. Chapik  
Reg. No. 43,424  
Intellectual Property Department  
Suite 1500  
50 South Sixth Street  
Minneapolis, MN 55402-1498  
(612) 343-7955



# **FEE DETERMINATION (After Amendment of Claims)**

## **Complete if Known**

Application No.	09/855,001
Filing Date	May 14, 2001
First Named Inventor	Michael R. Oldenburg
Group Art Unit	3676
Examiner Name	V. Patel
Atty. Docket Number	14036

**Claims as Amended in Response to Office Action dated:** 01/29/2003

METHOD OF PAYMENT (Check One)		AMENDMENT FEE CALCULATION (Continued)			
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account No.: <u>04-1420</u> Deposit Account Name: <u>DORSEY &amp; WHITNEY LLP</u></p> <p><input checked="" type="checkbox"/> Charge any additional fee required under 37 C.F.R. 1.16 and 1.17</p> <p><input checked="" type="checkbox"/> Applicant claims small entity status (see 37 C.F.R. 1.27)</p> <p>2. <input type="checkbox"/> Check Enclosed</p>		<b>3. ADDITIONAL FEES</b>			
		<b>Large Entity Fee</b>	<b>Small Entity Fee</b>	<b>Fee Description</b>	<b>Fee Paid</b>
		110	55	Extension for reply within first month	
		410	205	Extension for reply within second month	
		930	465	Extension for reply within third month	
		1,450	725	Extension for reply within fourth month	
		1,970	985	Extension for reply within fifth month	
		1,300	650	Issue Fee-Utility/Reissue	
		320	160	Notice of Appeal	
		320	160	Filing brief in support of appeal	
		280	140	Request for oral hearing	
		110	55	Terminal Disclaimer Fee	
		110	55	Petition to revive – unavoidable	
		1,300	650	Petition to revive – unintentional	
		130	130	Petitions to the Commissioner	
		180	180	Submission of IDS	
		750	375	Request for Continued Examination (RCE)	
		Other fee (specify):			
		<b>Subtotal (2)</b>			0
		<b>Total Amount of Payment:</b>			0

1. EXTRA* CLAIM FEES					
Claims Remaining after Amendment	Highest Number Previously Paid for	Present Extra	Fee from Below*	Additional Fee	
Total 23	- 43	= 0	x \$9.00	=	
Indep. 3	- 4	= 0	x \$42.00	=	
First Presentation of Multiple Dependent Claim			x	=	
<b>Subtotal (1)</b>					0

\*Calculation of Extra Claim Fees

Large Entity Fee	Small Entity Fee	Fee Description
18	9	Claims in excess of 20
84	42	Independent claims in excess of 3
280	140	Multiple dependent Claim
84	42	Reissue independent claims over original patent
18	9	Reissue claims in excess of 20 and over original patent

Submitted by:

**CUSTOMER NUMBER**

**25763**

DORSEY & WHITNEY LLP  
Intellectual Property Department  
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Minneapolis, MN 55402-1498

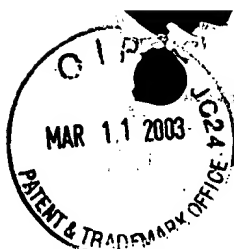
Name: Daniel G. Chapik

Reg. No.: 43,424

Telephone: (612) 343-7955

Signature:

Date: 3/6/03



#15 Amdt C  
\$7.00  
3/19/03  
Docket: 14036

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:	Michael R. Oldenburg	
Appln. No.:	09/855,001	
Filing Date:	May 14, 2001	Examiner: V. Patel
Title:	<b>RETROFITTABLE SEVERE DUTY SEAL FOR A SHAFT</b>	Group Art Unit: 3676

AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

I hereby certify that this document is being sent via First Class U. S. mail addressed to: Commissioner for Patents, Washington, D.C. 20231 on this 6 day of March, 2003.

KrisAnne Popovits

Sir:

In response to the Office Action of January 29, 2003, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follow:

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MAR 17 2003

GROUP 3600

C1

37. (Amended) A seal comprising a housing structure adapted to surround a shaft, wherein the housing structure comprises a filtering means for preventing foreign material from entering the sealed area.

C2

39. (Amended) A method for sealing a dynamic shaft assembly containing a bore for receiving a seal, comprising:

providing a seal having a faceplate and at least one filtering structure between an inner and an outer portion of the seal that substantially limits foreign particles

from entering the seal, wherein the faceplate is operably coupled to the inner portion; and placing the seal into the bore.